



SICOGREEN-L liquid NPK 32-0-4

*highly concentrated liquid nitrogen–potassium fertiliser
designed for foliar and radicular application.
EC Fertiliser*

12/2025

1. PRODUCT DESCRIPTION

SICOGREEN-L liquid NPK 32-0-4 is a **highly concentrated liquid nitrogen–potassium fertiliser** designed for **foliar and radicular application**. Its balanced nitrogen forms ensure **rapid absorption, sustained nutrition and improved metabolic activity**, making it especially suitable for periods of high vegetative demand, stress recovery and quality improvement.

2. PRODUCT SPECIFICATIONS

*** PHYSICOCHEMICAL PROPERTIES**

Property	Value
Appearance	Liquid
Solubility in water	Completely soluble at recommended doses
pH (20 °C)	7.5 ± 1
Density (20 °C)	1.28 ± 0.05 g/cm ³
Flash point	Not present

*** GUARANTEED COMPOSITION**

Component	Content
Total Nitrogen (N)	320 g/L
– Ammoniacal N	77 g/L
– Nitric N	89 g/L
– Ureic N	154 g/L
Potassium Oxide (K ₂ O), water soluble	40 g/L

3. BIOLOGICAL/TECHNICAL PROPERTIES & ADVANTAGES

- Fast nitrogen uptake via leaves and roots
- Sustained nitrogen availability from mixed N forms
- Improves vegetative growth and chlorophyll synthesis
- Supports flowering, fruit set and fruit filling
- Enhances stress recovery (cold, transplant, nutritional imbalance)
- Potassium contribution improves quality parameters and nutrient balance

4. APPLICATION RATES AND RECOMMENDATIONS

*** FOLIAR APPLICATION**

Crop type	Dose	Water volume	Frequency
Horticultural crops	200–300 ml / 100 L	300–800 L/ha	Every 10–14 days
Fruit trees	250–300 ml / 100 L	800–1,200 L/ha	2–4 applications
Vineyards	200–300 ml / 100 L	300–600 L/ha	2–3 applications
Ornamentals & flowers	150–250 ml / 100 L	As required	2–4 applications

Recommended stages:

- Active vegetative growth
- Pre-flowering
- Fruit set and early fruit development
- Post-stress recovery

⚠ Avoid foliar application during high temperature or strong sunlight.

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SAP INTERNATIONAL CORPORATION bv Krekelenberg 83, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Email : info@sico.be Website : www.sico.be



*** RADICULAR APPLICATION** (fertigation / soil drench)

Crop type	Dose	Frequency
Horticultural crops	5–8 L/ha	Every 10–15 days
Fruit trees	10–15 L/ha	2–4 applications per cycle
Vineyards	5–10 L/ha	2–3 applications
Strawberries	5–8 L/ha	Every 7–10 days
Ornamentals / substrates	Adjust to irrigation volume	As needed

*** SUITABLE CROPS**

- Vegetables (tomato, pepper, cucumber, lettuce, brassicas)
- Fruit trees (citrus, pome and stone fruits)
- Vineyards
- Strawberries
- Ornamentals and flowers
- Greenhouse and open-field crops

5. COMPATIBILITY AND PRECAUTIONS

- Compatible with most fertilizers and plant protection products
- Avoid mixing with strongly alkaline products without prior testing
- Always perform a compatibility and phytotoxicity test before large-scale use
- Shake well before use

6. STORAGE AND HANDLING

- Store in a cool, dry place
- Protect from frost and direct sunlight
- Keep container tightly closed

7. REGULATORY STATUS

Product intended for **agricultural use**. Use according to local fertiliser regulations and crop recommendations.